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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,201	06/12/2008	Makoto Morita	2006_0771A	1786
513 7590 05/24/2011 WENDEROTH, LIND & PONACK, L.L.P. 1030 15th Street, N.W., Suite 400 East			EXAMINER	
			NGUYEN, PHUONG	
Washington, DC 20005-1503		ART UNIT	PAPER NUMBER	
			3742	
			NOTIFICATION DATE	DELIVERY MODE
			05/24/2011	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ddalecki@wenderoth.com eoa@wenderoth.com

	Application No.	Applicant(s)			
	10/580,201	MORITA ET AL.			
Office Action Summary	Examiner	Art Unit			
	PHUONG NGUYEN	3742			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be time till apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
<ul> <li>1) ☐ Responsive to communication(s) filed on 11 Dec</li> <li>2a) ☐ This action is FINAL. 2b) ☐ This</li> <li>3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E</li> </ul>	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 23 May 2006 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner	☑ accepted or b) ☐ objected to be drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 05/23/2006 and 06/12/2008.	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:	ite			

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claim 1-4 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Tsuji (US 2003/0232562 A1), in view of Fair (US 6,204,483 B1).

Regarding claim 1, Tsuji discloses a baking system for plasma display panel comprising a baking furnace (3) for performing heat treatment to substrate (5) while conveying the substrate (5), a heating means (25) are provided appropriately to the heating insulating partitions within the baking furnace (3), and a heating area (22), a keeping area and a cooling area [par.0021] are provided in order in a traveling direction of the conveying means within each furnace (3). However Tsuji does not discloses plural stages of conveying means which are divided heat insulating partitions to have a multi-state structure in the baking furnace (3). Fair discloses that it is well known to use plural of conveying means (35, 36) to divide heat insulating partition (34) to have a multi-state structure. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the baking system of Tsuji by using the thermal processing system in view teaching of Fair, in order to increase the productivity for the user.

Regarding claim 2, Tsuji discloses the heating means (25) in the baking furnace (3) may be so configured as to be able to control a heating amount separately, or configured as to control a heating amount of each temperature zone provided in a conveying direction of the substrates [par.0020]

Regarding claim 3, Tsuji discloses the heating means (25) is an electric heater [par.0020].

Regarding claim 4, Tsuji discloses a return conveyer is provided under the conveying means for conveying the substrates [par.0032]

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONG NGUYEN whose telephone number is (571)270-1834. The examiner can normally be reached on Monday-Thursday (8.00am-5.00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Phuong Nguyen/ /05/16/2011/ /Henry Yuen/ Supervisory Patent Examiner, TC 3700